BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Office of the Executive Engineer Dasarahalli Division

SCHDULE-B

Name of Work: Construction of toilet building for govt. high school building at Manjunathanagara in ward No.14 T.Dasarahalli Sub division.

Sl	Description of Work	Unit	Qty	Sanctioned Rates	
				In figures (Rs)	In Words (Rs)
1	2	3	4	5	6
1	KEarthwork excavation for foundation of buildings, water supply, sanitary, lines and electrical conduits either in pits or in trenches 1.5 m and above in width, **in hard soil** not exceeding 1.5m in depth including dressing the bottom and and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m. after breaking of clods complete as per specifications.	Cum	130.13	198.22	Rupees One hundred ninty Eight & Twenty two Paise Only
2	Providing and laying in position **plain cement concrete of mix M7.5** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	20.69	3812.82	Rupees Three thousand eight hundred twelve & eighty two Paise only
3	Providing and constructing granite / trap / basalt size stone masonry in foundation in **cement mortar** 1.6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications	Cum	32.56	2710.42	Rupees Two Thousand seven hundred ten & forty two paise only
4	Providing and constructing granite/trap / basalt **size stone masonry in basement** with **cement mortar** 1:6,edges of stones chistle dressed in courses not less than 15cms high, bond stones, at 2m, apart in each courses including cost of materials, labour, curing complete as per specifications	Cum	15.49	3164.10	Rupees Three thousand one hundred Sixty four & ten Paise only

Technical Manager(TM-2)
KHB/BBMP, Dasarahalli Zone, Bangalore

Signature of the contractor

Executive Engineer
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

5	Providing and laying in position **reinforced cement concrete of M15** with OPC cement @ 240kgs, with **20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @0.459cum machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	6.75	4406.42	Rupees Four thousand four hundred six & Forty two Paise Only
6	Providing **flush pointing to square rubble, course or uncoursed stone masonary** with cement mortar **1:3**, 20mm deep, after raking joints to depth of 20mm, nicely lining, including cost of materials, labour, curing complete as per specifications	Sqm	23.88	70.07	Rupees Seventy & Seven Paise Only
7	**Filling available excavated earth (excluding rock) in sides of foundations upto plinth** in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50m. and lift upto 1.5 m.including cost of all labour complete as per specifications.	Cum	130.13	89.04	Rupees Eighty nine & Four Paise only
8	Providing and constructing **burnt brick masonry** with approved quality of non-modular bricks of standard size of class designation 75 (machine moulded) with **cement mortar 1:6** for basement and superstructure including cost of materials, labour, charges, scaffolding, curing complete as per specifications.	Cum	56.52	8736.52	Rupees Eight thousand seven hundred thirty six & Fifty two Paise Only
9	Providing and laying in **position reinforced cement concrete of M20** with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459cum super plastisiser @3ltrs confirming to IS9103-1999 Reaffirmed-2008,machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase,lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	34.49	5142.06	Rupees Five thousand One hundred forty two & six Paise only

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10	providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	q	41.38	7187.86	Rupees Seven thousand One hundred eighty seven & Eighty six Only
11	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor, cills, plinth including cost of all materials, labour complete as per specifications.	Sqm	203.34	702.78	Rupeed Seven hundrd two & Seventy eight Paise only
12	Providing **Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled** including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications	Cum	0.588	75699.90	Rupees Seventy five thousand Six hundred Ninty nine & Ninty Paise Only
13	**Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm** using M.S.flats, or M.S.square rods, or combination of M.S.flatsand square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.	Kgs	204.12	92.22	Rupees Ninty two & Twenty two Paise Only
14	Providing and fixing in position fully paneled **Honne wood shutters** for doors, styles and rails of **25mm** thick with bottom and lock rails 180mm wide top rail and styles **100mm** wide as per drawing and panels of **25mm** thick including cost of materials, labour, HOM of machineries complete as per specifications (excluding cost of fixtures)	Sqm	4.41	3015.70	Rupees Three thousand Fifteen & Seventy Paise Only
15	Providing and fixing in position **fully glazed shutters for ventilators side hung or central pivoted with Honne wood styles and rails** of 30mm. thick, 50mm wide and central divider of 30mm. wide, 3mm thick reded glass fixed with wooden beading of size 10mm wide flushed to the thickness of the frame including cost of materials, labour charges, HOM of machineries complete as per specifications. (excluding cost of fixtures)	Sqm	9.72	2993.44	Rupees Two thousand Nine hundred ninty three & Forty four paise Only
16	Providing **15mm** thick cement **plaster in single coat with cement mortar 1:3, to brick masonry** including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Cum	189.38	157.94	Rupees One hundred fifty seven & Ninty four Paise Only

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17	Providing **18mm** thick cement **plaster in single coat with cement mortar 1:3** to **brick masonry** including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	222.06	187.62	Rupees One hundred eighty seven & Sixty two Paise Only
18	Providing **12mm** thick cement **plaster in single coat with cement mortar 1:3**, to **ceiling** including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications	**Sqm**	77.08	147.34	Rupees One hundred Forty seven & Thirty four Paise Only
19	Providing **lime rendering for plastering** to wall and ceiling, including cost of materials, labour, curing complete as per specifications.	**Sqm**	299.14	16.75	Rupees Sixteen & Seventy five Paise Only
20	KSRB 15.10.1: wall surface in two coats with lime of approved quality, to give an even shade including cost of materials, labour, complete as per specifications	**Sqm**	189.38	5.83	Rupees Five & Eighty three Paise Only
21	**Providing and finishing external walls in two coats with primer cement paint** of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered materials, free from mortar drops and other foreign matter cost of materials, labour complete as per specifications	**Sqm**	189.38	65.72	Rupees Sixty five & Seventy two Paise Only
22	Providing and applying two coats with **oil bound washable distemper** of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications	**Sqm**	299.14	53.00	Rupees Fifty Three Only
23	Applying priming **coat over new wood surface** and / or wood based surface after preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand preparing and knotting liquid wood filler, for varnish including cost of materials, labour complete as per specifications.	**Sqm**	30.91	27.14	Rupees Twenty Seven & Fourteen Paise Only
24	Providing and applying painting **two coats** (excluding priming coat) **on new wood surface** and / or wood based surface **with enamel paint** to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour complete as per specifications	**Sqm**	30.91	75.26	Rupees Seventy five & Twenty six paise Only

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25	Providing **lath plaster with cement mortar 1:3, 5cms thick with 6mm dia mild steel bars at 30cms. C to C both horizontally and vertically** fixing chicken mesh for drop chajja, facia, backing to cup boards including cost od all materials, labour, providing and removing form work HOM of machineries, curing, complete as per specifications		6.30	817.26	Rupees Eight hundred seventeen & Twenty six Paise Only
26	Providing and fixing **white vitreous china clay, water closet Indian type (squatting pan)** of size 580mm with footrests, 100mm S or P trap, (approved make) cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.	**each**	8	968.84	Rupees Nine hundred sixty eight & Eighty four Paise Only
27	Providing and placing on terrace, **polyethylene water storage tanks** with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of materials, labour, transport charges, HOM of equipments and testing complete as per specifications.(For 1000 litre capacity)(	**Nos**	2	6838.06	Rupees Six thousand eight hundred thirty eight & Six Paise Only
28	constructing brick masonry **inspection chamber** of size **600x600mm,and 450mm** depth, (clear inside dimension)for single pipeline, using table moulded non-modular bricks of class designation 50 in cement motar1:5, C.I cover with frame (light duty) 600x600mm	**Nos**	16	7027.80	Rupees Seven thousand twenty seven & eighty Paise Only
29	Providing **white vitreous china clay Indian pattern squatting urinals with white glazed foot rests** of approved quality and make conforming to ISI specifications and fixing in position with CC 1:2:4 as directed of size 50.8cmsx38cms10.16 cms A Grade (Rate includes cost of all materials and conveyance to work spot)	**each**	10	975.20	Rupees NIne hundred Seventy five & Twenty Paise Only
30	**Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kg/sq.cm working** pressure 110mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications.	**m**	176.90	591.48	Rupees Five hundred Ninty one & Forty eight Paise Only
31	Providing and fixing **chlorinated poly Venyl chloride (CPVC) pipes** conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete (Concealed work including cutting chases and good the walls etc.)	m	98.00	222.60	Rupees Two hundred twenty two & Sixty Paise Only

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32	Providing and fixing 30mm thick factory made **rigid foam Prelam Paneled Door Shutters** made from M.S tube of 19x19mm, 19 gauge for styles and 15x15mm for top & bottom rails, covered with heat **moulded Prelaminated PVC** Channel of 5mm thick sheet & 30x50mm wide to form styles & 5mm thick & 75mm wide Prelaminated PVC sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheetsas gap insert for top rail & bottom rail, paneling of 5mm thick PVC **sheet Prelaminated** on either side fitted in the M.S frame, sealed to the styles & rails with PVC Designer beadingon either side & joined together with solvent cement adhesive etc., complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3No'sof 75mm Aluminium hings	**Sqm**	12.80	2716.78	Rupees Two Thousand seven hundred sixteen & Seventy eight Paise Only
33	Providing and laying in position **plain cement concrete of mix M7.5** with OPC cement @ 180kgs. with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	**Cum**	9.38	3812.82	Rupees Three thousand eight hundred twelve & eighty two Paise only
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